

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

July

2007

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

August 15, 2007

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

X

An X inside this box indicates that no flooding occurred within this hydrologic service area.

A moist atmosphere during July brought numerous thunderstorms and showers across the hydrologic service area (HSA). The average rainfall reported from coop observers in July was 3.12 inches. The highest monthly rainfall total of 9.32 inches was reported in Mason County. Coop observers in Kimble, Mason, Menard, Nolan, San Saba, Shackelford, Taylor and Throckmorton Counties received over five inches of rain in July.

Finally, after a wet, late spring and early summer, most of the area creeks and rivers were collecting appreciable runoff. Many of the water supply reservoirs across the Big Country and Heartland are near or above conservation capacity. Livestock tanks across the region have experienced gains and are up significantly compared to this time last year.

Early in the month (July 1 – 2), heavy rain occurred across the Heartland and Northwest Hill Country region. Isolated areas received over three inches of rain over already saturated ground. In addition to flash flooding across areas, the Colorado River, Pecan Bayou and Llano River experienced out of bank flows.

During the middle of the month (July 14), very heavy rain across the San Saba River watershed in McCulloch and San Saba Counties caused flash flooding and sharp rises along the mainstem of the San Saba River. Areas across eastern McCulloch County received over four inches of rain. The San Saba River at San Saba crested just above 20 feet (action stage) around midnight on the 14th.

Late in the month (July 24 – 26), thunderstorms, again, produced heavy rain over the Heartland and Northwest Hill Country regions. Areas that received two to four inches of rain experienced localized flooding. Water levels along the Llano River and its tributaries in Kimble and Mason Counties climbed quickly to bankfull levels.

The San Angelo Regional Airport received 1.84 inches of precipitation during July, which was 0.74 of an inch above normal for the month. The monthly normal rainfall for San Angelo in July is 1.10 inches.

The Abilene Regional Airport received 2.41 inches of precipitation during July, which was 0.71 of an inch above normal for the month. The monthly normal rainfall for Abilene in July is 1.70 inches.

Junction received 3.66 inches of rain in July. The estimated average monthly rainfall in July is about 2.25 inches.

Coop Observer Rainfall Totals for July, 2007:

Station Name	Amt (in)	Station Name	Amt (in)
Abilene 2	5.12	Merkel 12SW	3.63
Acton Ranch	1.29	Oak Creek Lake	1.63
Albany	5.23	Ozona	M
Anson	1.40	Ozona 22SE	1.33
Ballinger 2NW	1.61	Paint Rock	1.79
Brady	3.30	Putnam	1.99
Brownwood	3.14	Red Bluff Crossing	6.17
Burkett	4.12	Richland Springs	9.30
Coleman	1.01	Robert Lee	1.57
Concho Park	2.13	Roscoe	5.23
Eden	1.88	Rotan	2.25
Eldorado	0.97	San Angelo WFO	1.73
Eldorado 10W	3.50	San Saba 7NW	5.14
Eldorado 12N	2.05	Silver Valley	2.82
Fort Griffin	2.65	Sonora	1.29
Fort McKavett	2.88	Stamford	1.16
Glen Cove	1.90	Sterling City	2.38
Hamlin	2.16	Taylor Ranch	5.63
Haskell	2.01	Telegraph	M
Hords Creek	M	Throckmorton 7NE	0.89
Humble Pump	M	Water Valley	4.11
Junction 4SSW	3.44	Water Valley 11NE	3.20
Lake Abilene 6WNW	3.71	Winters	2.00
Lawn	1.87	Woodson	2.38
London 3N	6.72		
Mason	9.32	(M) <i>Missing data</i>	
Menard	5.77	(T) <i>Trace</i>	

Reservoir Conditions (end of July, 2007)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	67,520	96
Lake Stamford	51,570	51,570	100
Hubbard Creek Lake	318,070	316,185	99
Hords Creek Lake	8,112	8,112	100
Lake Brownwood	131,428	131,428	100
E.V. Spence	517,270	71,210	14
O.C. Fisher	119,200	7,560	6
O.H. Ivie	554,340	349,600	63
Twin Buttes	177,800	56,730	32

Hydro Products Issued

FFA = 15

FFW = 10

FFS = 7

FLS = 41 (Flood Advisory)

RVS = 9